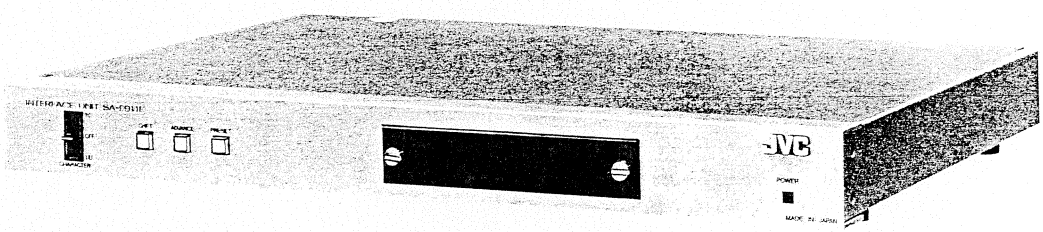
INSTRUCTIONS

JVC

SA-F911E

INTERFACE UNIT



PGD3000 2-191-01

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

This unit should be used with 12 V DC only.
CAUTION:
To prevent electric shocks and fire hazards, do NOT use any other power source.

NOTE:
The rating plate (serial number plate) is on the bottom of the unit.

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FEATURES

- **9-pin to 45-pin interface**
  Converts the signals from a 9-pin serial editing controller into the 45-pin parallel signals used by JVC's BR-S611E and BR-S811E S-VHS recorders.
- **Built-in time code reader/generator**
  Reading and recording of either LTC or VITC time codes is possible with the SA-F911E's built-in time code reader/generator. This permits convenient time code-referenced editing in an editing suite centered around an advanced 9-pin editing controller.
- **On-screen character display**
  Both LTC and VITC time codes can be displayed on-screen.
- **Y/C and BNC connectors**
  For greater systems flexibility, the SA-F911E is provided with both Y/C443 and BNC connectors for VITC generator input and output. BNC connectors are provided for VITC reader input and output. For LTC input and output, RCA jacks are provided.
- **Designed for mounting in standard EIA 19" rack.**
- **Separate power source not required**
  Power for the SA-F911E is automatically supplied by the connected video recorder.

SPECIFICATIONS

GENERAL

Power requirement	: DC 12 V (Supplied from VTR)
Power consumption	: 5 watts
Operating temperature	: 5°C to 40°C
Dimensions	: 420 (W) x 42.5 (H) x 300 (D) mm (16-9/16" x 1-11/16" x 11-13/16")
Weight	: 3.0 kg (6.7 lbs)

TIME CODE READER

LTC input	: 0 dB ±6 dB, 10 k-ohms, unbalanced
Video input	: 1.0 Vp-p, 75 ohms, unbalanced
Monitor output	: 1.0 Vp-p, 75 ohms, unbalanced

TIMECODE GENERATOR

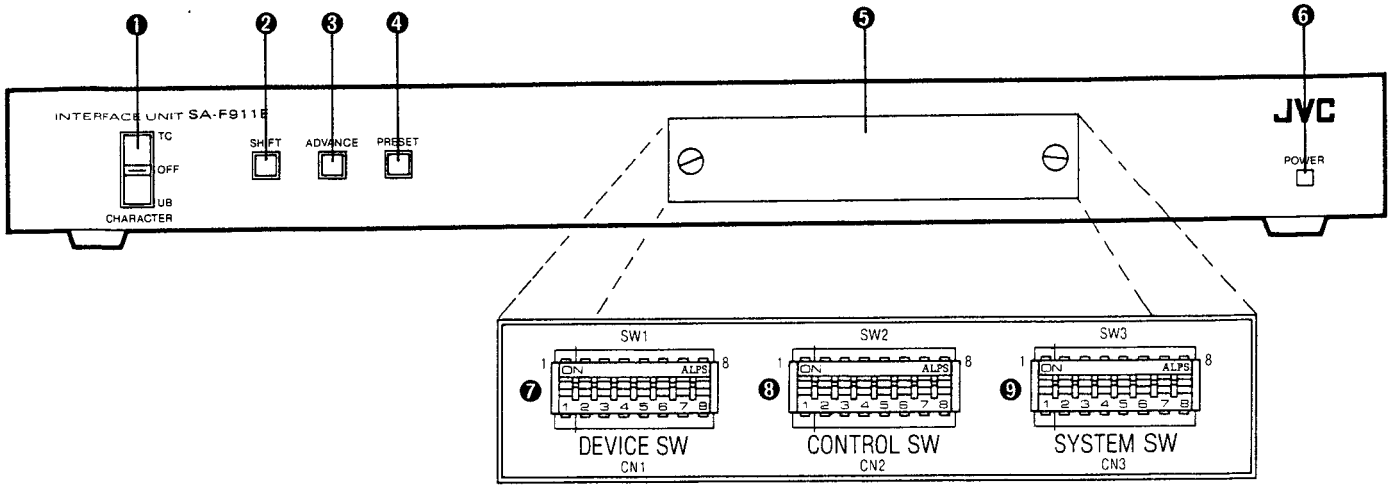
LTC output	: 5.0 Vp-p, low impedance, unbalanced
VITC input/output (Composite)	: 1.0 Vp-p, 75 ohms unbalanced
VITC input/output (Y/C443)	: Y: 1.0 Vp-p, 75 ohms, unbalanced C: 0.3 Vp-p, 75 ohms, unbalanced (Burst)

ACCESSORIES

: 45-pin remote control cable x 1
9-pin remote control cable x 1
Rack mount kit x 1 set

CONTROLS AND CONNECTORS

FRONT PANEL



❶ CHARACTER select switch

To select the characters to be superimposed on the video signal output from the rear panel MONITOR OUT connector.

TC: Time code data
UB: User bit data
OFF: Nothing will be superimposed.

❷ SHIFT button

To select which of the 8 time code or user bit digits is to be changed.

❸ ADVANCE button

To count up the selected time code or user data digit.

❹ PRESET button

To register the time code or user bit data after it has been set. Also, if pressed while time code data is being read, the preset data will be read.

❺ PRESET WINDOW

❻ Power indicator

❼ DEVICE SWITCH (DEVICE SW)

Switch settings when used with the BR-S811E/611E

SW1-1	SW1-2	SW1-3	SW1-4	SW1-5
OFF	ON	OFF	OFF	OFF

SW1-6: Determines operation mode engaged when STOP command is received from the controller.

SW1-7: } Not used.
SW1-8: }

❽ CONTROL SWITCH (CONTROL SW)

SW2-1 Set according to the controller connected.
SW2-2
SW2-3

SW2-1	SW2-2	SW2-3	CONTROLLER/VTR
ON	ON	OFF	Preset

SW2-6 RS-232C Parity ON/OFF switch
OFF: Preset, with parity
ON: No parity

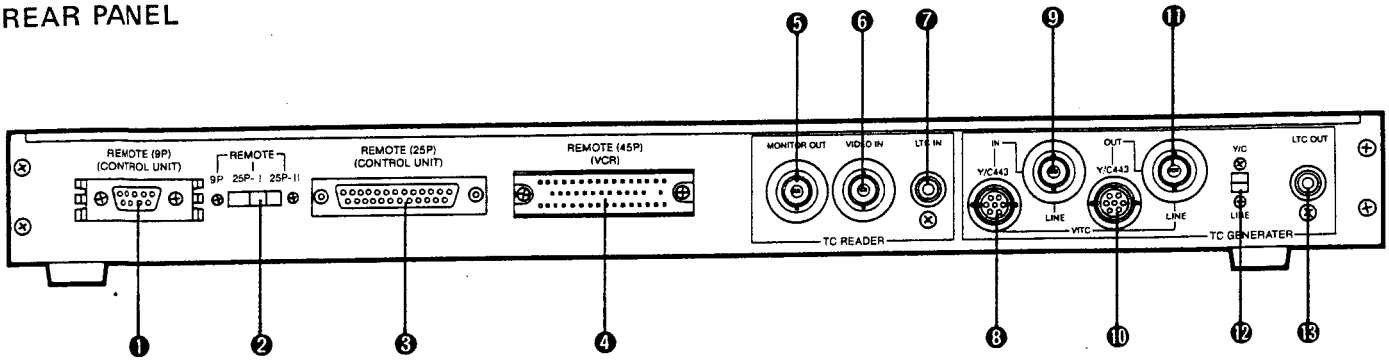
❾ SYSTEM SWITCH (SYSTEM SW)

SW3-1 }
SW3-2 } Timer mode select switch

SW3-1	SW3-2	MODE
OFF	OFF	CTL
ON	OFF	VITC + CTL
OFF	ON	LTC + CTL
ON	ON	VITC + LTC/CTL

SW3-3 }
SW3-4 } Not used (Keep setting to OFF)
SW3-5 ON: Regenerate mode
OFF: Preset mode
SW3-6 }
SW3-7 } not used
SW3-8 ON-SCREEN High/Low position select switch

REAR PANEL



❶ **REMOTE 9P connector**
Connect to the 9-pin RS-422 socket of the VCR or the editing control unit using a 9-pin cable.

❷ **REMOTE 9P, 25P select switch**
9P: for RS-422 remote control system
25P-I: for RS-232C remote control system (19,200 b/s)
25P-II: for RS-232C remote control system (9,600 b/s)

❸ **REMOTE 25P connector**
Connect to the 25-pin RS-232C I/F cable of the computer.

❹ **REMOTE 45P connector**
Connect to the 45-pin socket of the VCR using the 45-pin cable VC-G7050U.

❺ **MONITOR OUT connector**
The CTL address or Time code can be superimposed on the video outputs, by setting the CHARACTER select switch on the front panel.

❻ **VIDEO IN connector**
Connect a composite video signal with VITC signals.

❼ **LTC IN connector**

❽ **Y/C443 IN connector**
Receives the Y/C443 signal via a Y/C cable, to be output from the Y/C443 OUT connector ❿ with VITC.
Set the Y/C-LINE select switch ⓬ to Y/C.

❾ **LINE IN connector**
Receives the composite video signal, to be output from the LINE OUT connector ⓫ with VITC.
Set the Y/C-LINE select switch ⓬ to LINE.

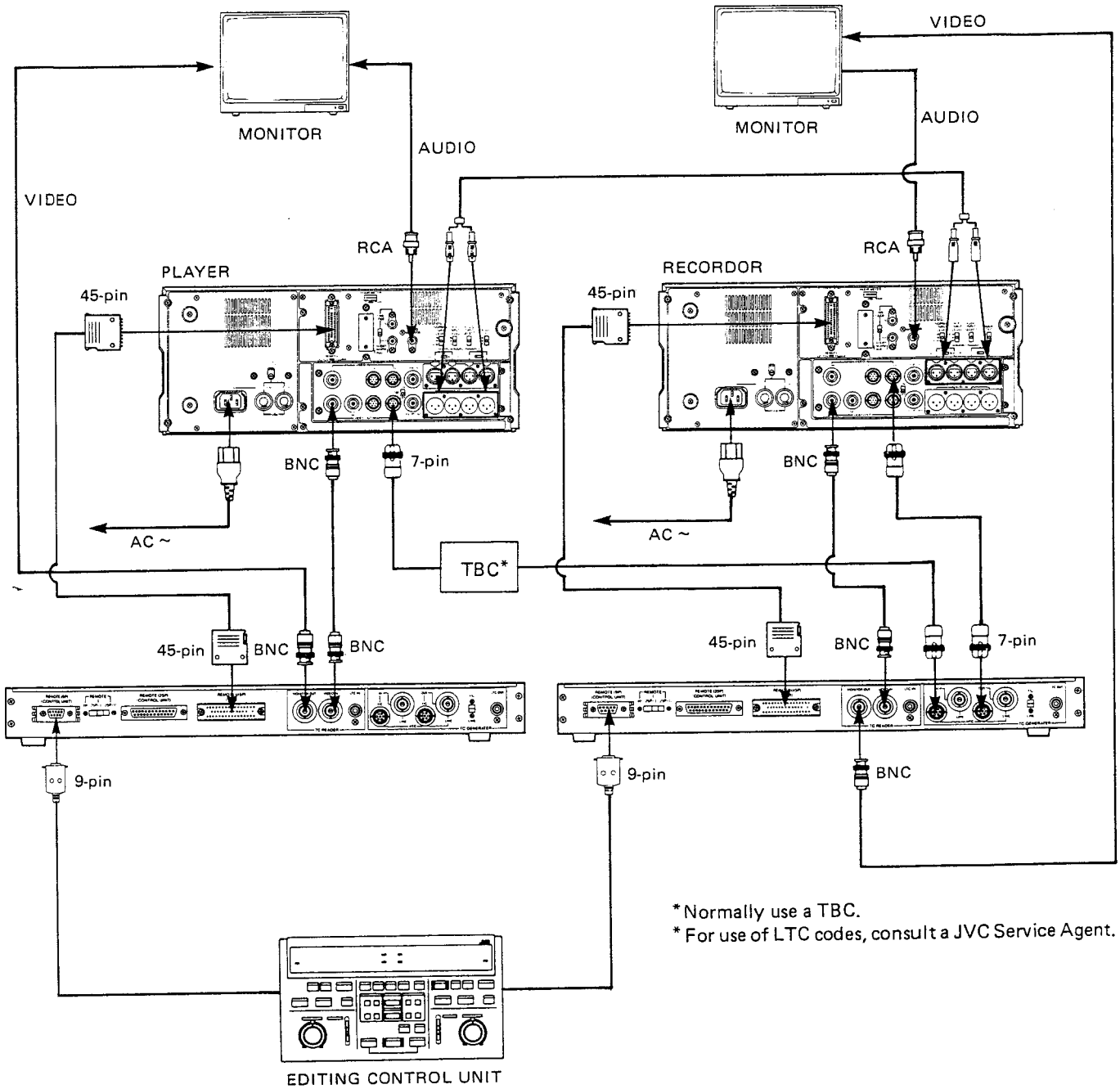
❿ **Y/C443 OUT connector**
Outputs the Y/C443 signal input to the Y/C443 IN connector ❽ with added VITC.
Set the Y/C-LINE select switch ⓬ to Y/C.

⓫ **LINE OUT connector**
Outputs the composite video signal input to the LINE IN connector ❾ with added VITC.
Set the Y/C-LINE select switch ⓬ to LINE.

⓬ **Y/C-LINE select switch**
Set as required depending on the signal format (Y/C443 or composite).
Y/C: To output VITC-added Y/C443 signal.
LINE: To output VITC-added composite video signal.

⓭ **LTC OUT connector**

CONNECTION FOR TIME CODE EDITING



* Normally use a TBC.
* For use of LTC codes, consult a JVC Service Agent.

1. Assemble-editing
   Generally speaking, as the TIME CODE PRESET command from the remote control unit is executed during assemble-editing, the GENERATE operation will be executed in the free-running mode based on the time data in this command. If the remote control unit cannot execute the TIME CODE PRESET command, the time code GENERATE operation is possible in the same way as with insert editing.

2. Insert-editing
   The REGENERATE operation will be executed as long as time code data is recorded on the master tape, based on the TC (time code) data.
   Either VITC or LTC data can be regenerated, according to the setting.

TIME CODE GENERATOR PRESET FUNCTION

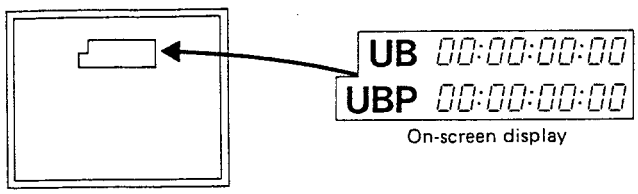
The time code or user bit data can be preset with the SA-F911E's front panel controls or by 9-pin serial data.

PRESETTING PROCEDURE WITH FRONT PANEL CONTROLS

Perform presetting while referring to the on-screen display on the monitor.

- **Presetting user bit data**

1. Set the CHARACTER select switch ❶ to "UB".
2. Set the SW3-5 switch to "OFF" (Preset mode).
3. Press the SHIFT button ❷ to call up the on-screen display.



Monitor

On-screen display

4. The data at the cursor position (blinking digit) can be changed by pressing the ADVANCE button ❸.
5. Set the numerals and alphabets (0 – F) by shifting the cursor position with the SHIFT button ❷ and selecting the data with the ADVANCE button ❸.
6. Press the PRESET button ❹.
   The on-screen display will disappear and the user bit data will be preset.

- **Presetting time code data**

1. Set the CHARACTER select switch ❶ to "TC".
2. Set the SW3-5 switch to "OFF" (Preset mode).
3. Press the SHIFT button ❷ to call up the on-screen display.

On-screen display

4. The data at the cursor position (blinking digit) can be changed by pressing the ADVANCE button ❸.
5. Set the time data by shifting the cursor position with the SHIFT button ❷ and selecting the data with the ADVANCE button ❸.
6. Press the PRESET button ❹.
   The on-screen display will disappear and the time code will start counting.

PRESETTING WITH 9-PIN SERIAL DATA

1. Set the SW3-5 switch to "OFF" (Preset mode).
2. Operate the 9-pin remote controller to preset the time code data.

Note:

- If presetting is not performed, the regenerate mode will be engaged even when the SW3-5 switch is set to "OFF" (Preset mode).

TIME CODE GENERATOR REGENERATE FUNCTION

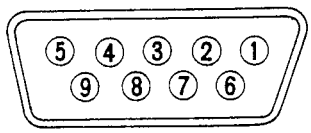
When assemble or insert editing is executed, time codes on new edits can be regenerated according to the time code already recorded on the editing tape.

1. Set the SW3-5 switch to "ON" (Regenerate mode).
2. Set the SW3-1 and SW3-2 as required, according to the already recorded reference time code.

SW3-1	SW3-2	Mode
OFF	OFF	CTL mode
ON	OFF	VITC + CTL mode
OFF	ON	LTC/CTL mode
ON	ON	VITC + LTC/CTL mode

3. Execute assemble or insert editing. New time codes will be written in sync with the already recorded time codes.

9-pin connector specifications



(EXTERNAL VIEW)

PIN	CONTROLLER
1	Frame Ground
2	Transmit A
3	Receive B
4	GND
5	GND
6	GND
7	Transmit B
8	Receive A
9	Frame Ground

45-pin connector specifications

1	GND	
2	REC CMD ▷	
3	STOP CMD ▷	
4	PLAY CMD ▷	
5	FF CMD ▷	
6	REW CMD ▷	
7	FWD CMD ▷	
8	SEARCH CMD ▷	
9	REV CMD ▷	
10	STILL CMD ▷	
11	PREROLL CMD ▷	
12	E. START CMD ▷	
13	E. STOP CMD ▷	
14	PREVIEW CMD ▷	
15	REMOTE CMD ▷	
16	A1 INS CMD ▷	
17	A2 INS CMD ▷	
18	V INS CMD ▷	
19	SERVO LOCK ◀	
20	ASSEM CMD ▷	
21	V SPEED CTL ▷	ANALOG
22	EDIT TALLY ◀	
23	STILL TALLY ◀	
24	SEARCH TALLY ◀	
25	PREROLL TALLY ◀	
26	FF TALLY ◀	
27	PLAY TALLY ◀	
28	STOP TALLY ◀	
29	REW TALLY ◀	
30	REC TALLY ◀	
31	TAPE REV ◀	
32	CTL PULSE ◀	
33		
34	+12V DC ◀	
35	CAP FG ◀	
36	EE CMD ▷	
37	X2 CMD ▷	
38		
39	X 1/5 CMD ▷	
40	DFR STOP CMD ▷	
41	X1 CMD ▷	
42	EXTERNAL CAP SRH ▷	
43	VHS ▷	GND
44		
45	EJECT CMD ▷	

▷ FROM SA-F911E TO VTR
◀ CONTROLLER TO SA-F911E